

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
 Data File : BF101862.D
 Acq On : 3 Jan 2018 16:17
 Operator : SJ/JU
 Sample : J1019-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-010218-A

Manual Integrations
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 1/4/2018 1:56:25 PM

Quant Time: Jan 04 03:26:40 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	94296	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	332422	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	131374	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	254758	20.00	ng	-0.02
75) Chrysene-d12	13.95	240	275581	20.00	ng	-0.02
86) Perylene-d12	15.42	264	231545	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	62923	9.94	ng	0.04
7) Phenol-d6	6.46	99	69861	8.87	ng	0.03
23) Nitrobenzene-d5	7.37	82	42684	7.15	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	12917	10.20	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	73121	8.63	ng	-0.02
78) Terphenyl-d14	12.88	244	83362	7.29	ng	-0.02
Target Compounds						
70) Phenanthrene	11.32	178	253058	17.862	ng	Qvalue 98
71) Anthracene	11.38	178	58813	4.064	ng	96
74) Fluoranthene	12.52	202	408248	27.453	ng	100
77) Pyrene	12.76	202	487275	23.560	ng	99
80) Benzo(a)anthracene	13.94	228	239643	13.169	ng	98
82) Chrysene	13.98	228	223171	12.989	ng	99
83) Bis(2-ethylhexyl)phthalate	13.89	149	43263	3.650	ng	95
85) Indeno(1,2,3-cd)pyrene	16.91	276	70603	4.615	ng	# 89
87) Benzo(b)fluoranthene	15.00	252	213059m	15.096	ng	
88) Benzo(k)fluoranthene	15.02	252	58608m	4.271	ng	
89) Benzo(a)pyrene	15.36	252	153741	11.817	ng	98
91) Benzo(a,h,i)perylene	17.36	276	66506	6.013	ng	# 93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

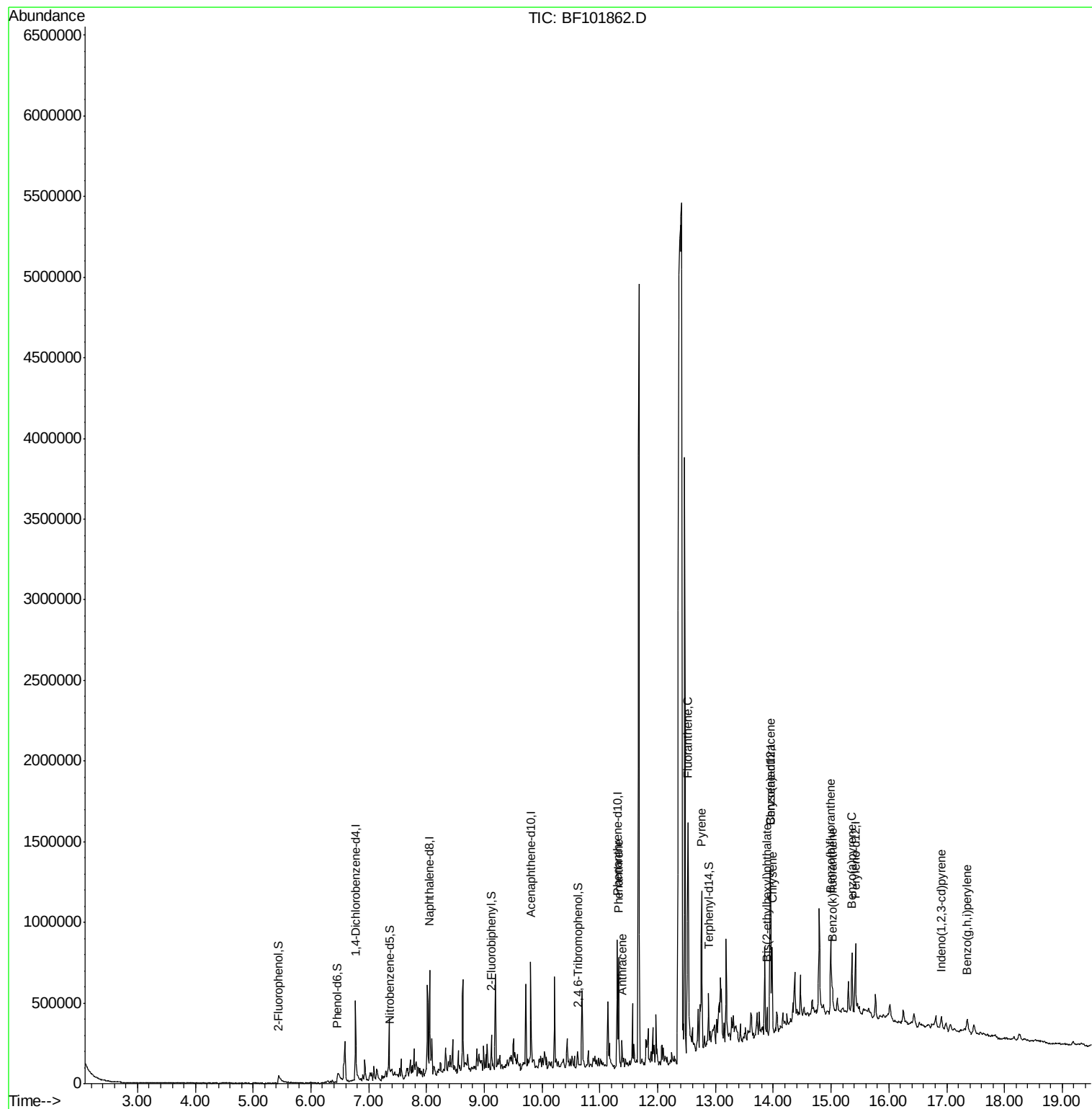
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010318\
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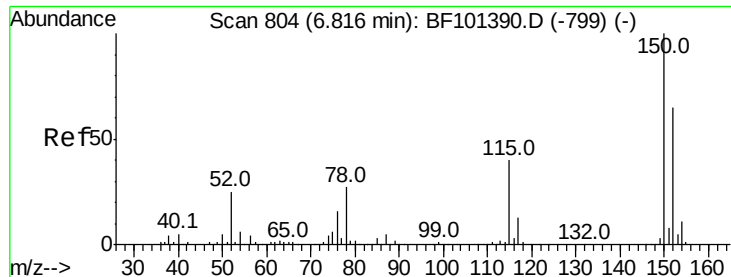
Instrument :
BNA_F
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EO-01-010218-A

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#1

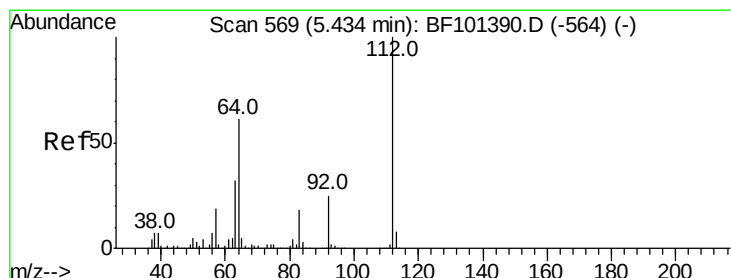
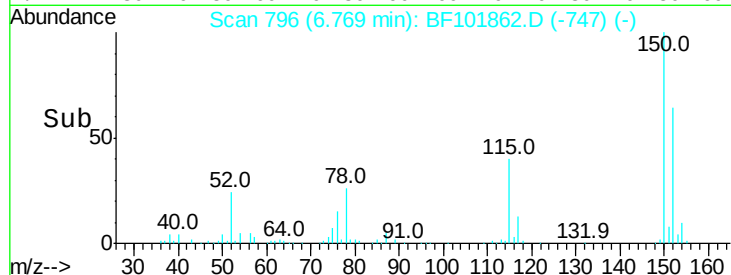
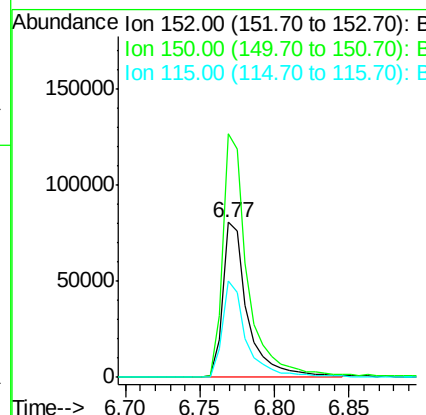
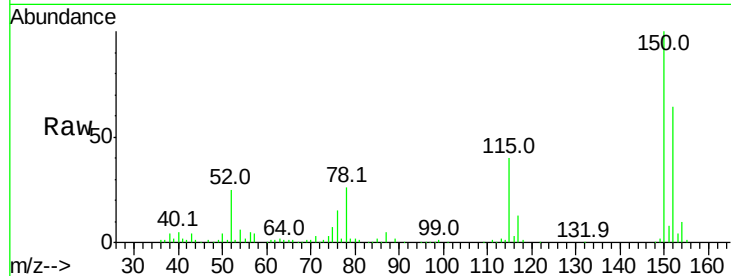
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Instrument :
BNA_F
ClientSampleId :
EO-01-010218-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	62.3	50.1	75.1

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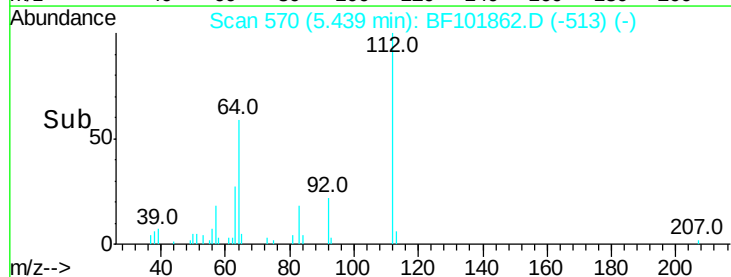
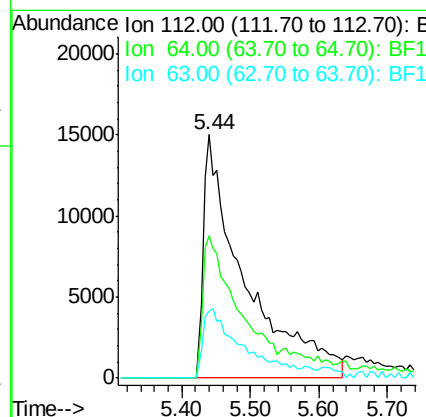
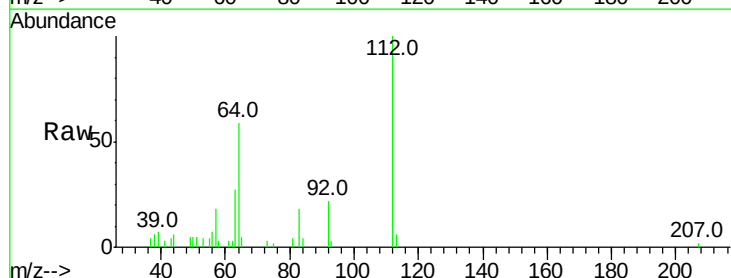
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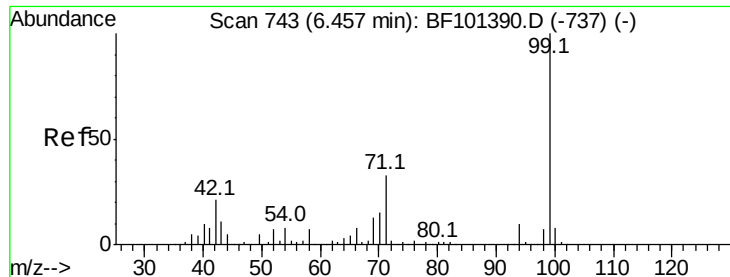


#5

2-Fluorophenol
Concen: 9.940 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.04 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	27.4	23.7	35.5





#7

Phenol-d6

Concen: 8.867 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.03 min

Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Instrument :

BNA_F

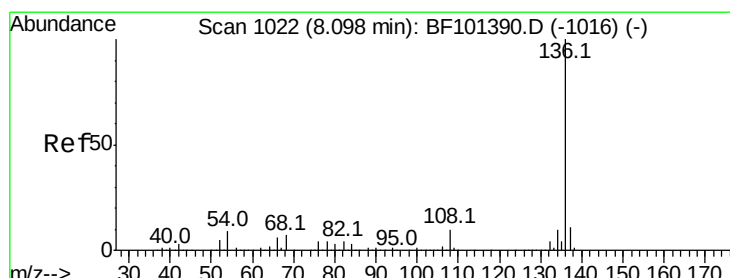
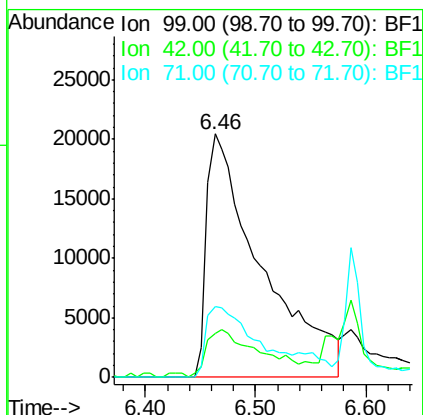
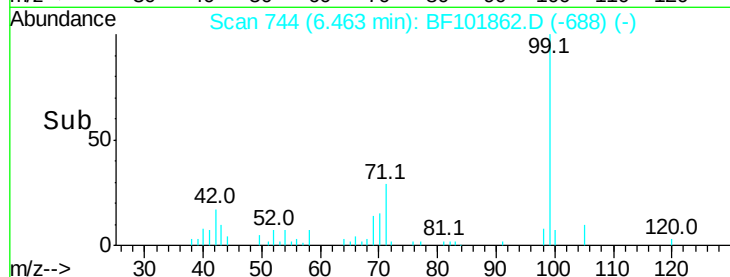
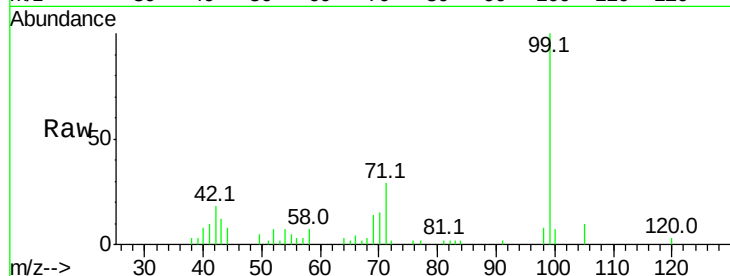
ClientSampleId :

EO-01-010218-A

Tot Ion:	99	Resp:	69861
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	28.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

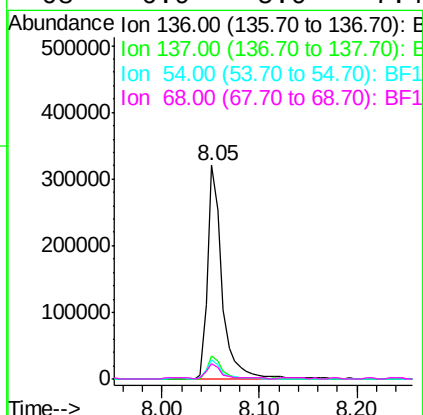
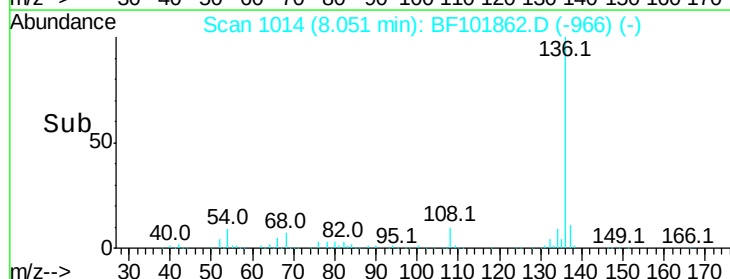
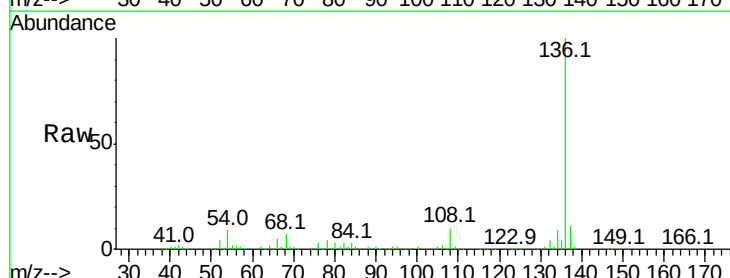
RT: 8.05 min Scan# 1014

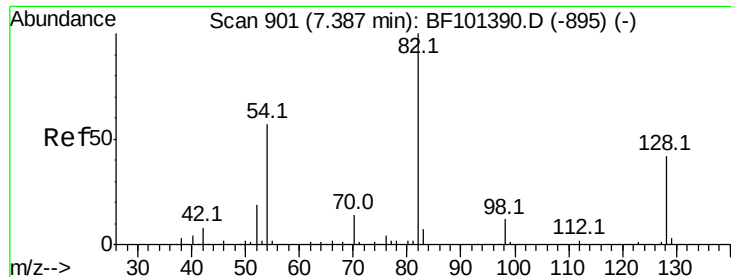
Delta R.T. -0.02 min

Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Tgt Ion:	136	Resp:	332422
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.0	6.6	9.8
68	6.9	5.0	7.4





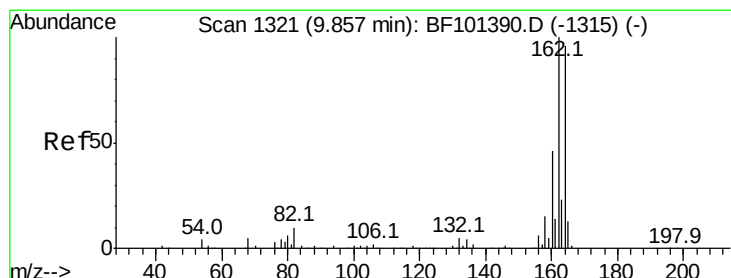
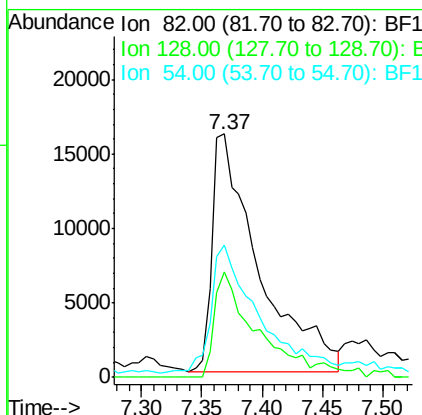
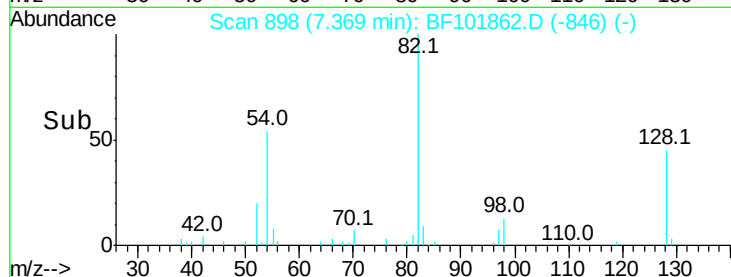
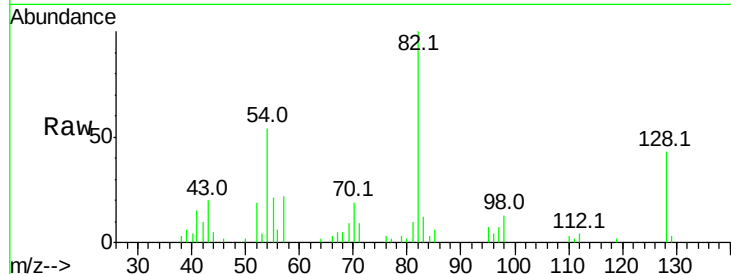
#23
Nitrobenzene-d5
Concen: 7.148 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Instrument :
BNA_F
ClientSampleId :
EO-01-010218-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	54.3	41.4	62.2

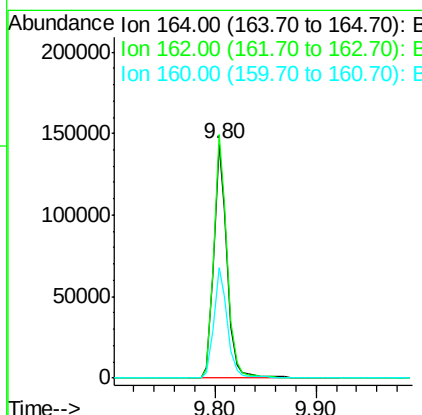
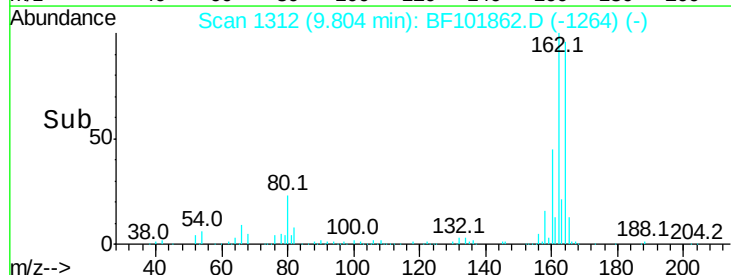
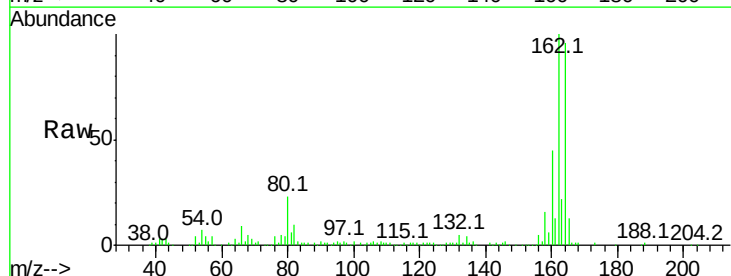
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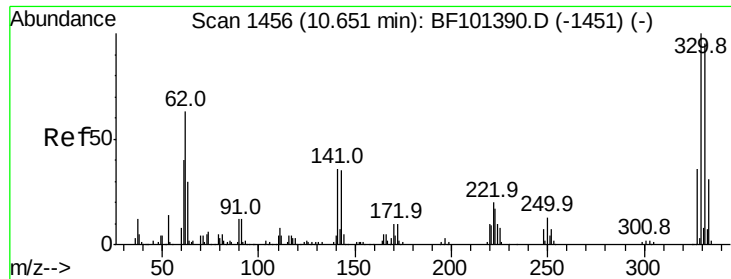
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	47.1	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 10.204 ng

RT: 10.62 min Scan# 1450

Delta R.T. -0.01 min

Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Instrument :

BNA_F

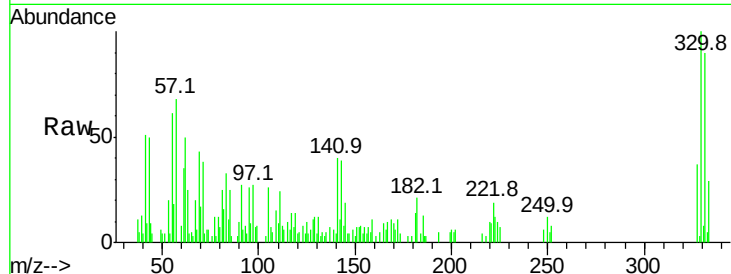
ClientSampleId :

EO-01-010218-A

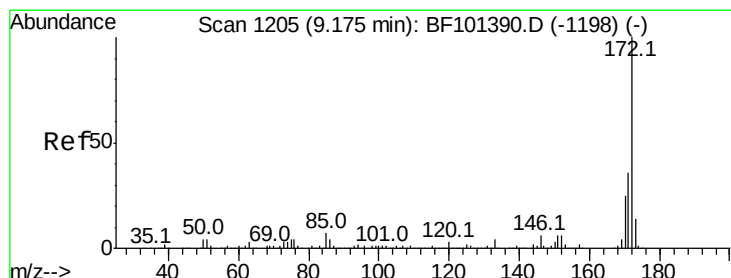
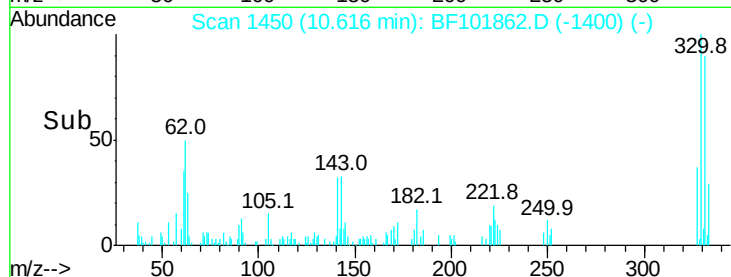
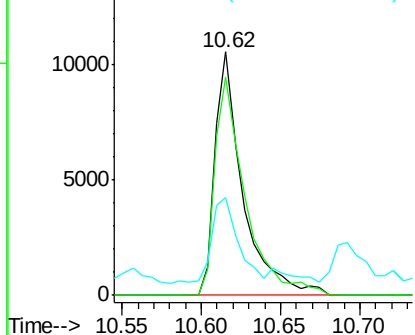
Tot Ion:	330	Resp:	12917
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.0	115.6
141	33.1	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 8.634 ng

RT: 9.12 min Scan# 1196

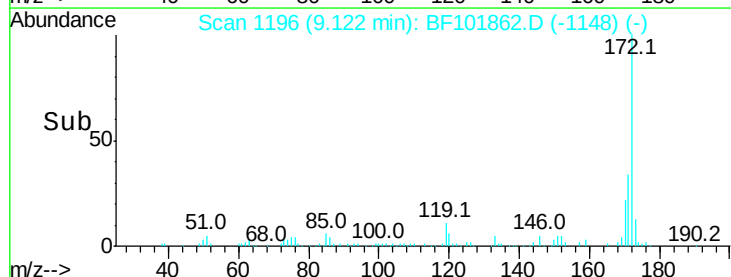
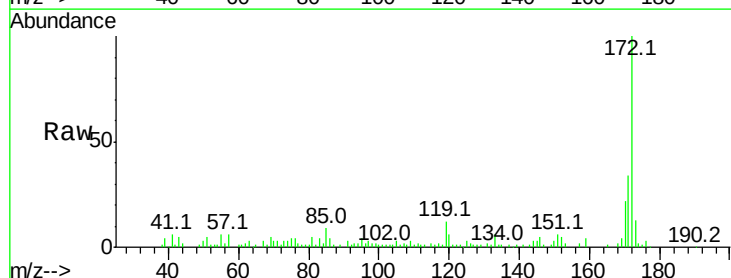
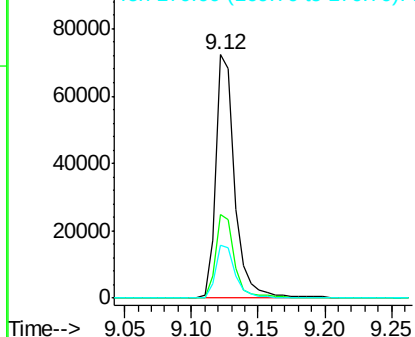
Delta R.T. -0.02 min

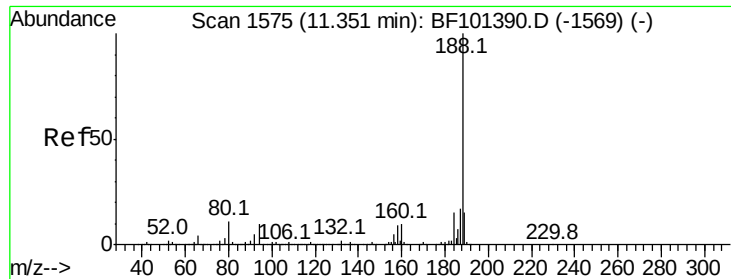
Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Tgt Ion:	172	Resp:	73121
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.7	44.5
170	21.7	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





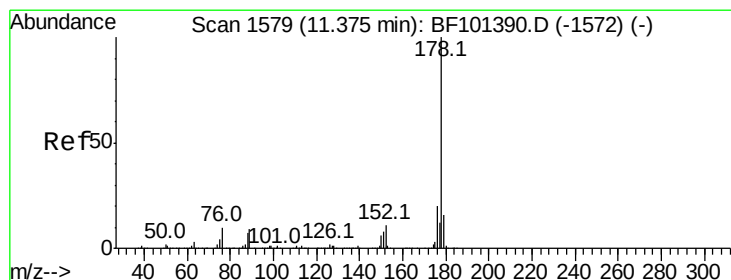
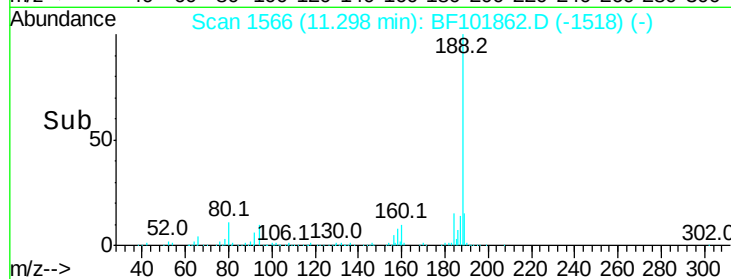
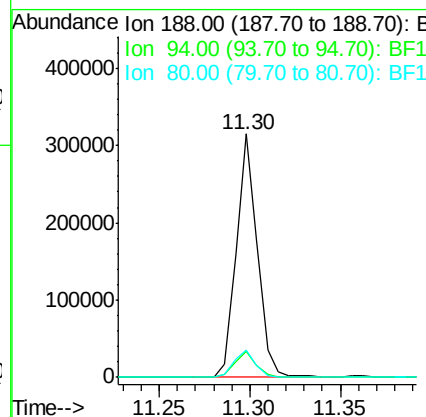
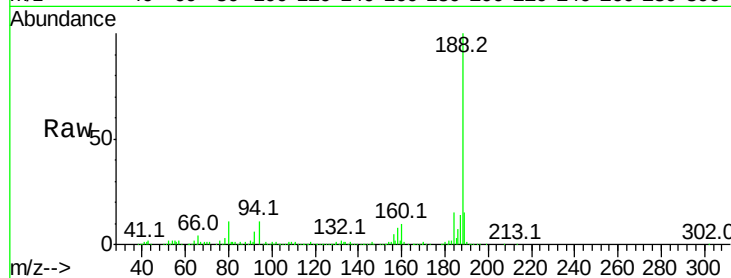
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Instrument :
BNA_F
ClientSampleId :
EO-01-010218-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.4	9.2	13.8

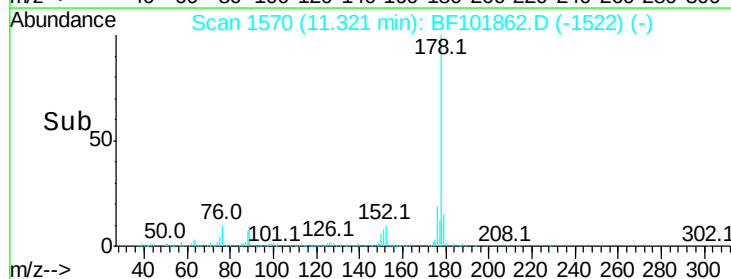
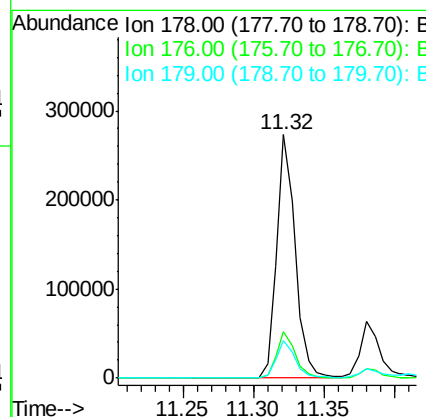
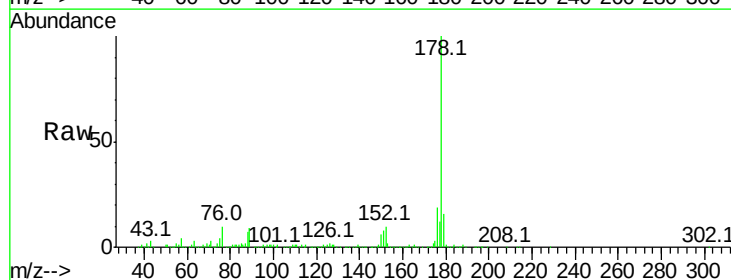
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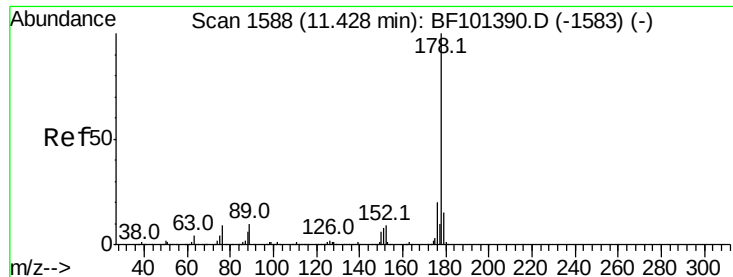
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#70
Phenanthrene
Concen: 17.862 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.6	13.0	19.6





#71

Anthracene

Concen: 4.064 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Instrument :

BNA_F

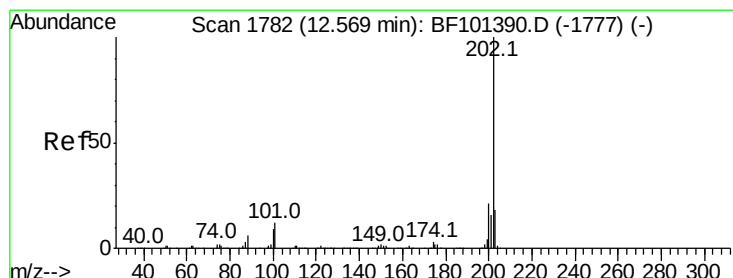
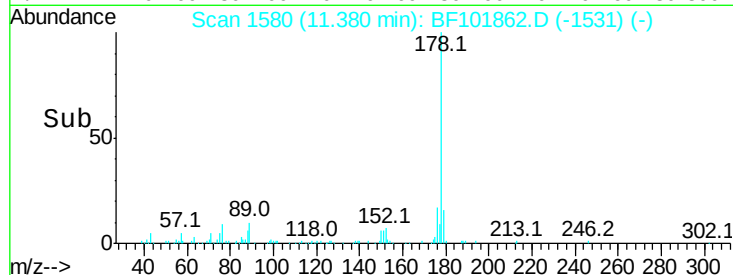
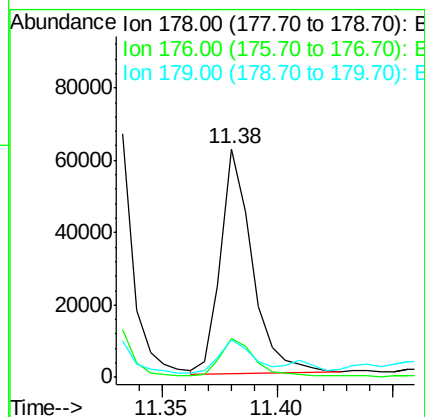
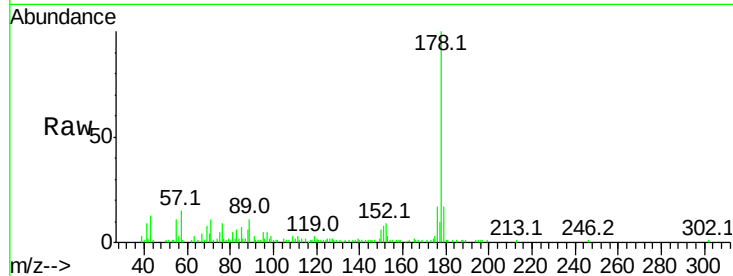
ClientSampleId :

EO-01-010218-A

Tot Ion:178	Resp:	58813
Ion Ratio	Lower	Upper
178	100	
176	17.1	15.4 23.2
179	16.6	12.6 19.0

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#74

Fluoranthene

Concen: 27.453 ng

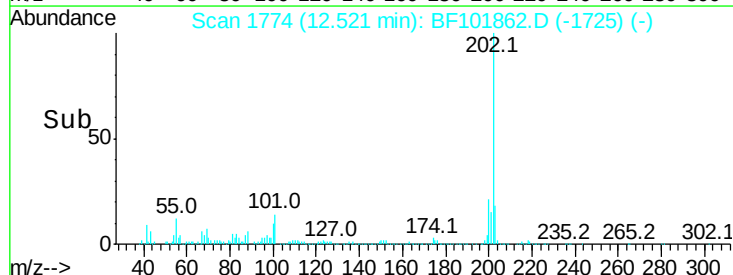
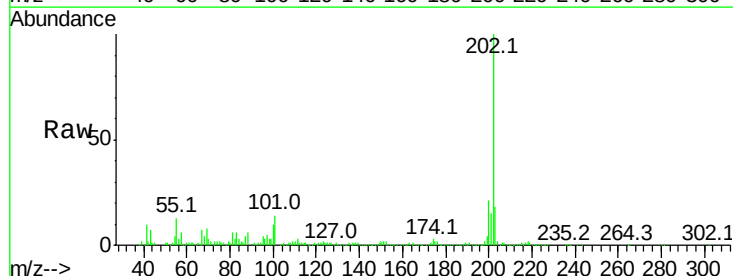
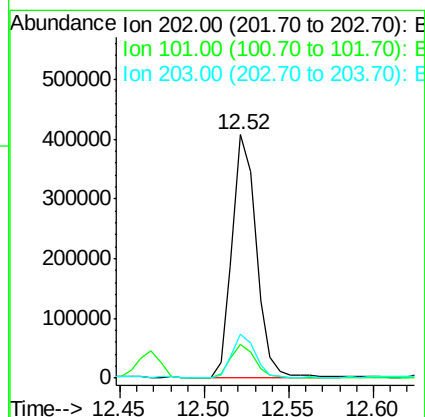
RT: 12.52 min Scan# 1774

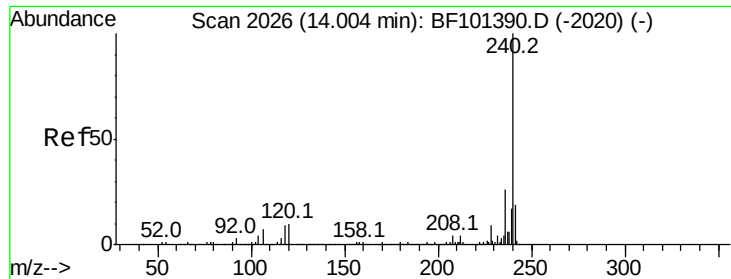
Delta R.T. -0.01 min

Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Tgt Ion:202	Resp:	408248
Ion Ratio	Lower	Upper
202	100	
101	13.9	0.0 34.1
203	18.1	0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Instrument :

BNA_F

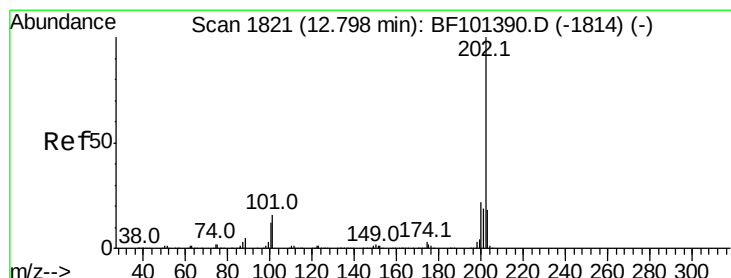
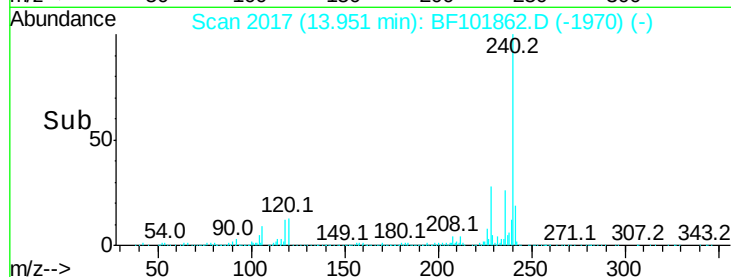
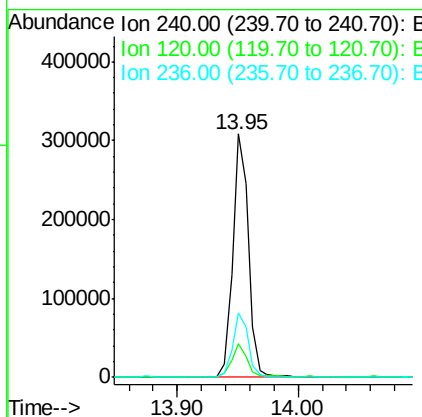
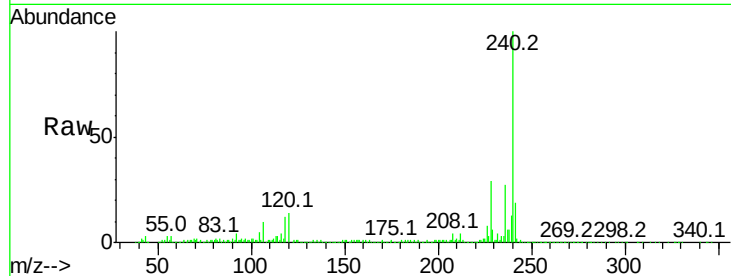
ClientSampleId :

EO-01-010218-A

Tot Ion:	240	Resp:	275581
Ion Ratio	Lower	Upper	
240	100		
120	13.6	9.5	14.3
236	26.6	20.7	31.1

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#77

Pyrene

Concen: 23.560 ng

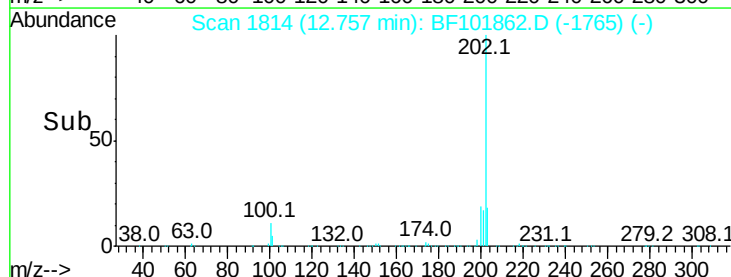
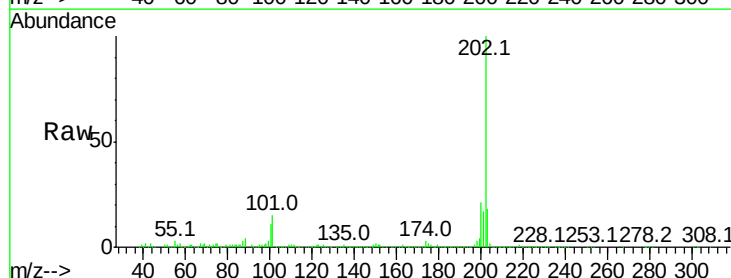
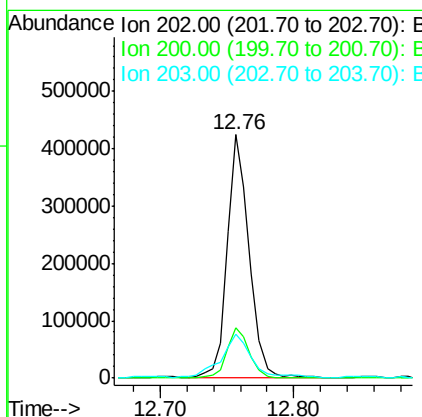
RT: 12.76 min Scan# 1814

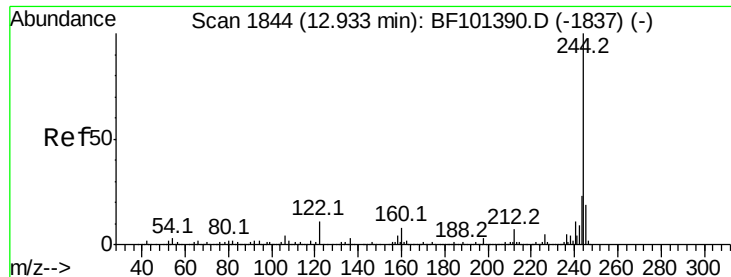
Delta R.T. -0.01 min

Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Tgt Ion:	202	Resp:	487275
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 7.292 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.02 min

Lab File: BF101862.D

Acq: 3 Jan 2018 16:17

Instrument :

BNA_F

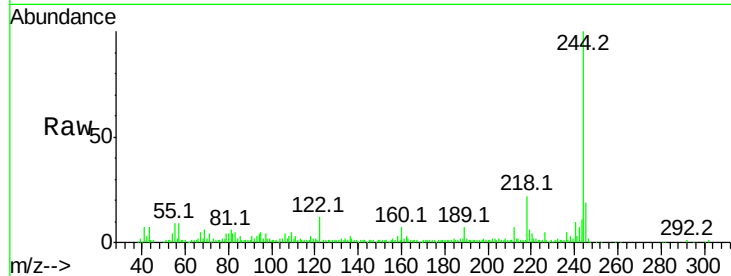
ClientSampleId :

EO-01-010218-A

Tot Ion:	244	Resp:	83362
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	12.1	11.0	16.4

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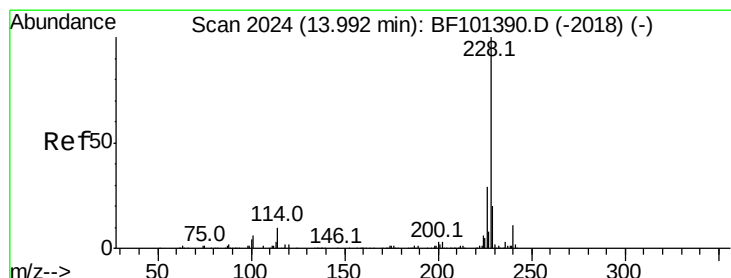
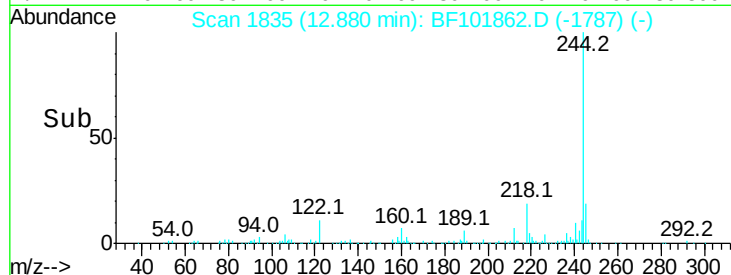
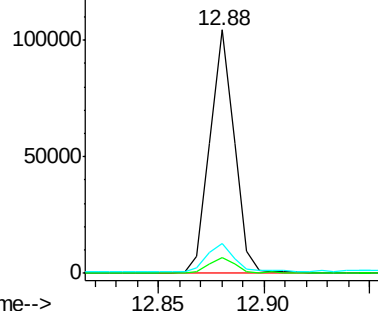
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 13.169 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF101862.D

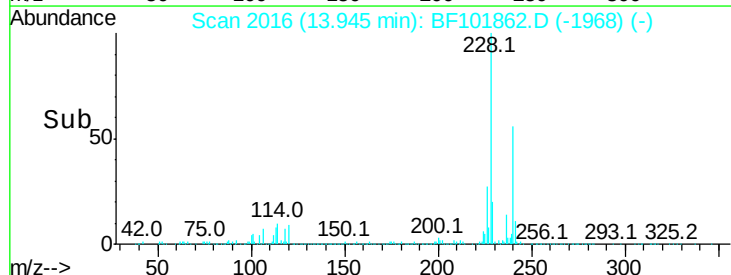
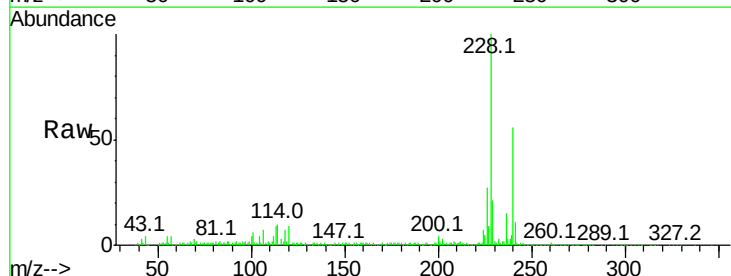
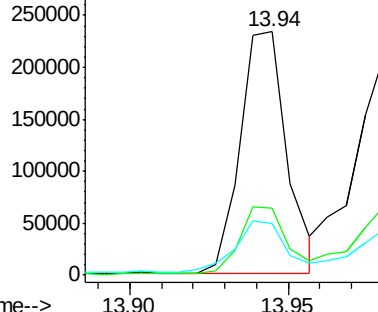
Acq: 3 Jan 2018 16:17

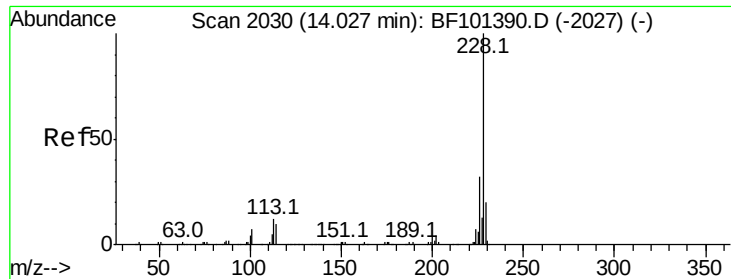
Tgt Ion:	228	Resp:	239643
Ion Ratio	Lower	Upper	
228	100		
226	27.4	22.6	33.8
229	21.0	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





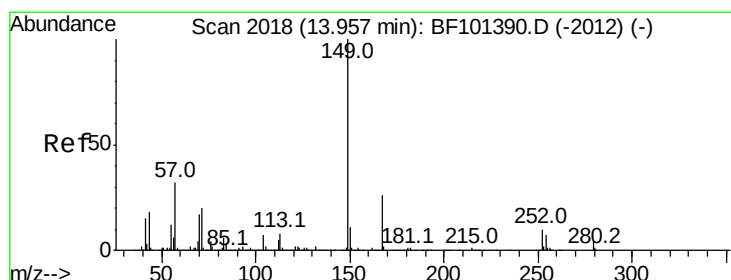
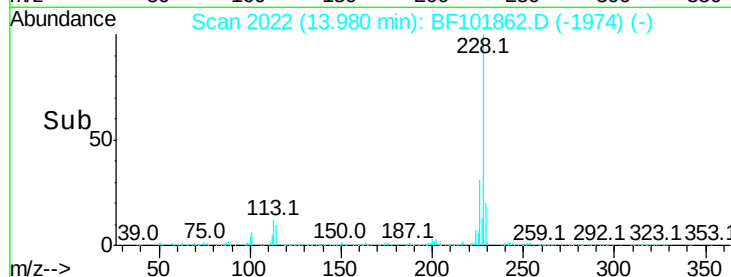
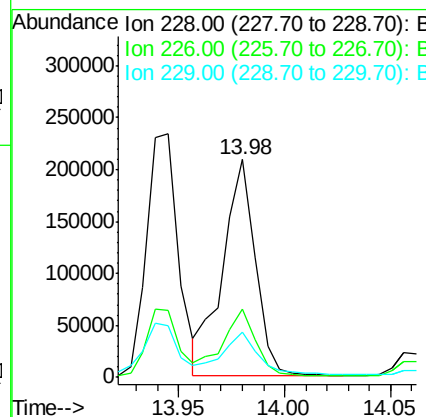
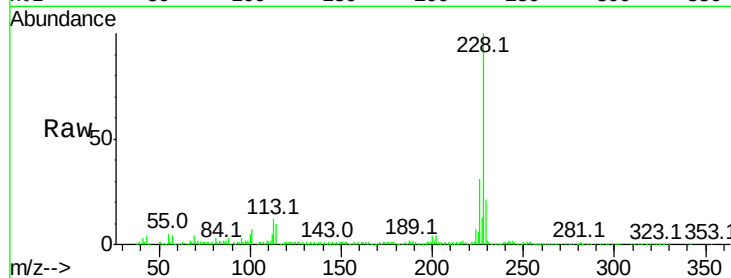
#82
 Chrysene
 Concen: 12.989 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF101862.D
 Acq: 3 Jan 2018 16:17

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-010218-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.0	16.2	24.4

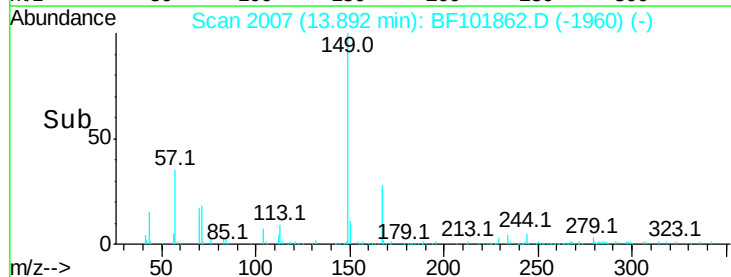
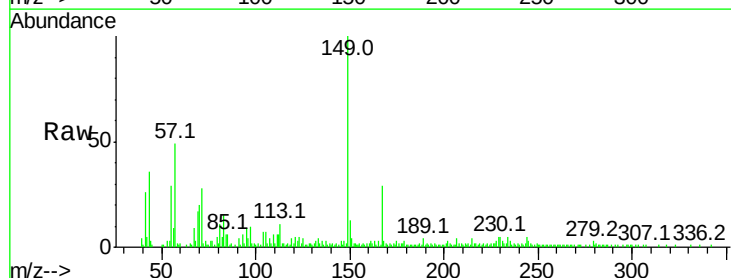
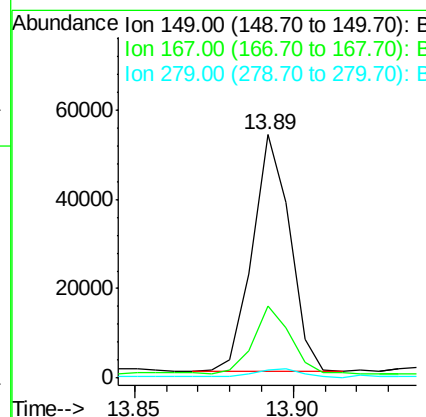
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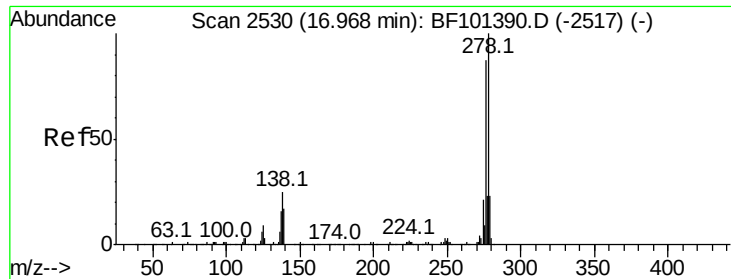
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.650 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.02 min
 Lab File: BF101862.D
 Acq: 3 Jan 2018 16:17

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.4	21.3	31.9
279	3.4	3.0	4.4





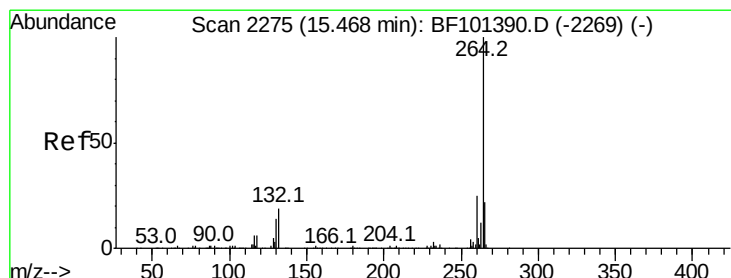
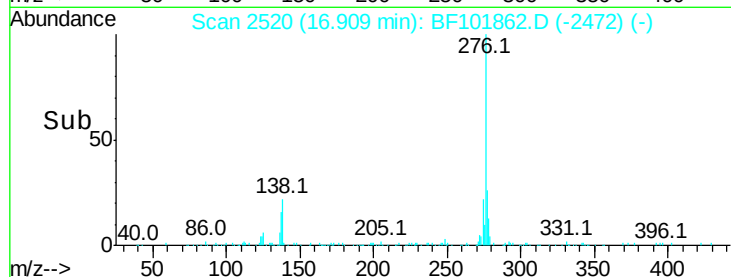
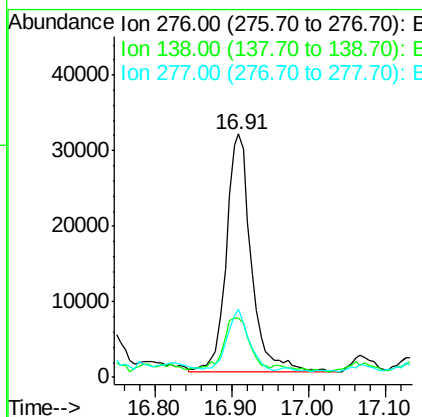
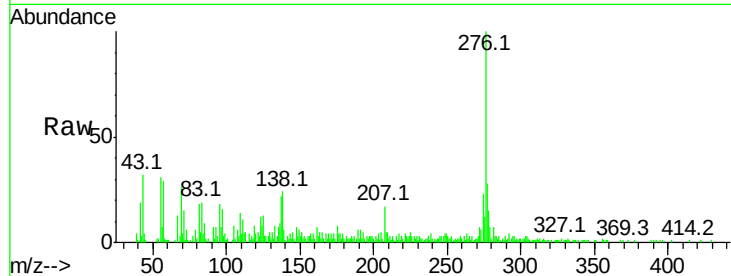
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.615 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.02 min
 Lab File: BF101862.D
 Acq: 3 Jan 2018 16:17

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-010218-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	25.0	37.6#
277	23.0	20.1	30.1

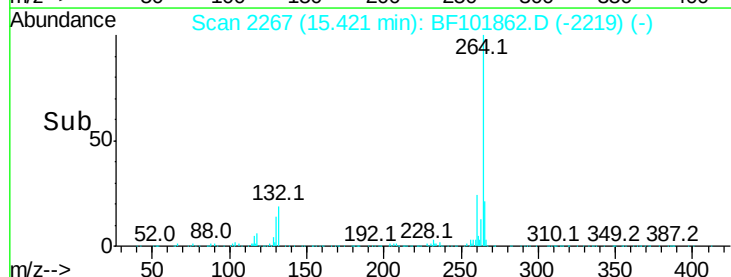
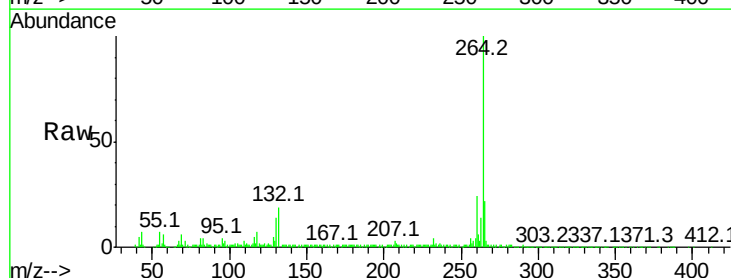
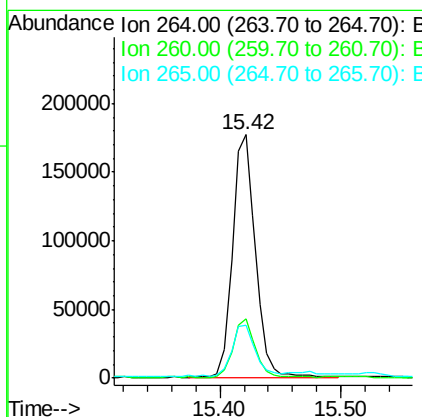
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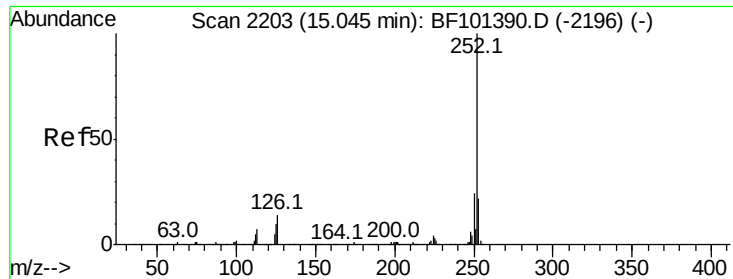
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. -0.02 min
 Lab File: BF101862.D
 Acq: 3 Jan 2018 16:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.8	17.5	26.3





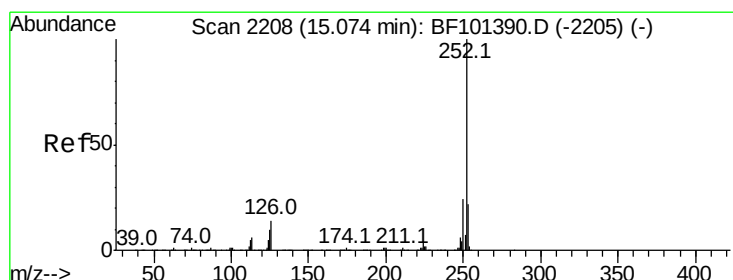
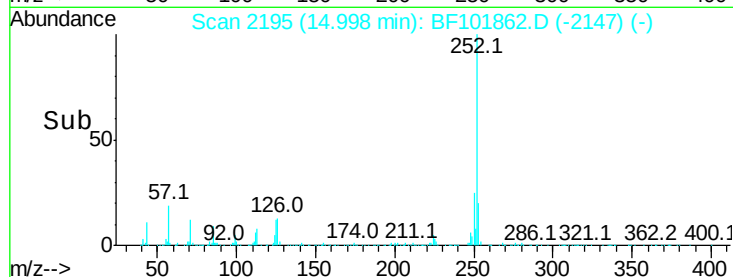
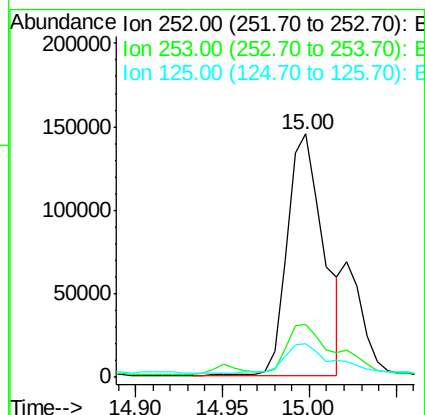
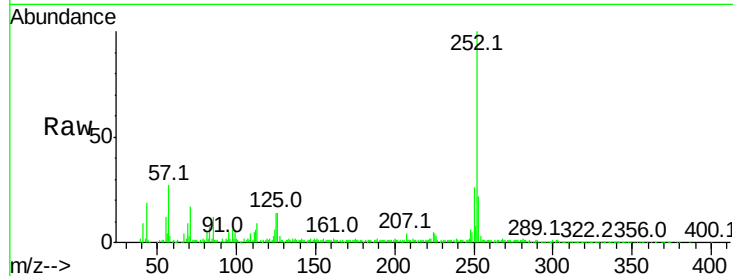
#87
Benzo(b)fluoranthene
Concen: 15.096 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Instrument :
BNA_F
ClientSampleId :
EO-01-010218-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	13.7	9.0	13.6

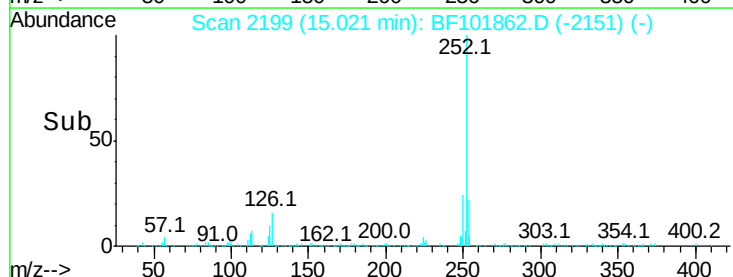
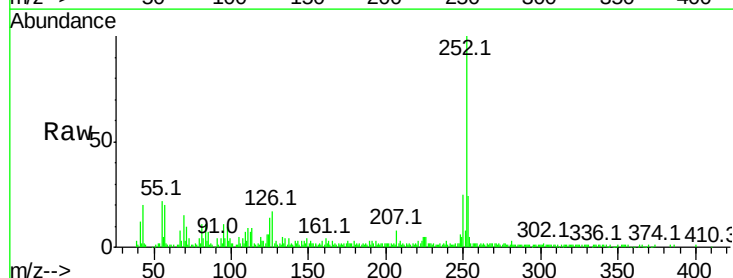
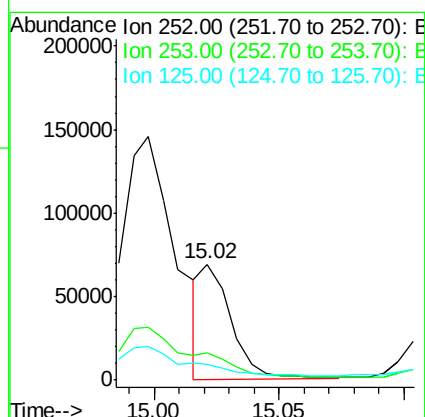
Manual Integrations
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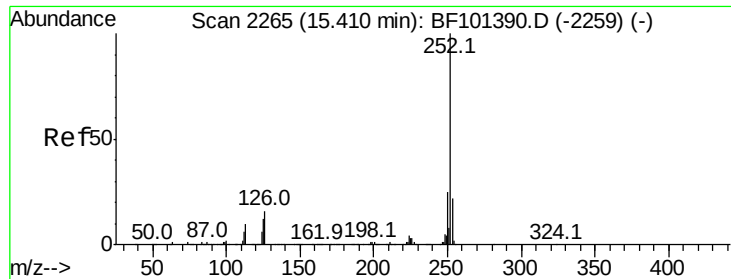
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#88
Benzo(k)fluoranthene
Concen: 4.271 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	14.0	10.2	15.2





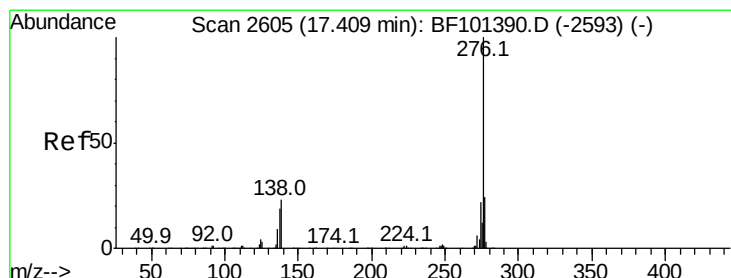
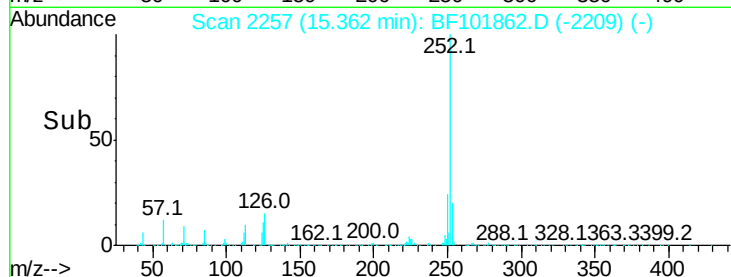
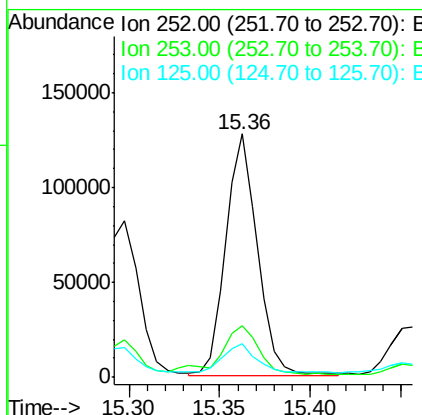
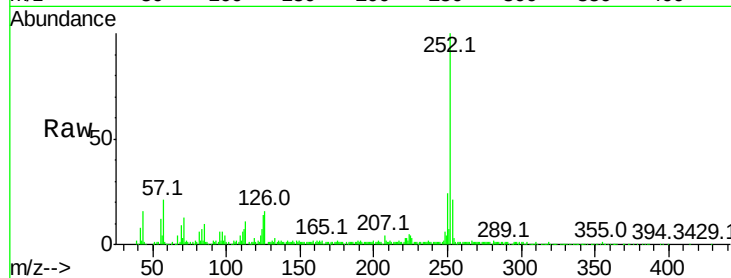
#89
Benzo(a)pyrene
Concen: 11.817 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Instrument :
BNA_F
ClientSampleId :
EO-01-010218-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	13.8	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.013 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.01 min
Lab File: BF101862.D
Acq: 3 Jan 2018 16:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	17.9	26.9#
138	25.3	21.8	32.8

